

IN THE CLAIMS:

1. (Currently Amended) A surgical implant for preventing tissue-to-tissue adhesion in operated areas, ~~in particular~~ for post-operative repair in pericardial, peritoneal or gynaecological surgery, the surgical implant comprising:

[[-]] at least one film layer of a thin, bioresorbable, smooth film₁[[.]] and

5 [[-]] a stabilizing layer in form of a reinforcing mesh of plastic material which is joined to the film layer and which is provided with a metal-containing, biocompatible, continuous coating.

2. (Previously Presented) A surgical flat implant according to claim 1, wherein the coating is a titanium-containing coating of a thickness of less than 2 µm, preferably of 5 to 700 nm.

3. (Previously Presented) A surgical flat implant according to claim 2, wherein the coating comprises a compound of a formula



with a = 0.025 to 0.9,

b = 0.025 to 0.7 and

c = 0.2 to 0.9

applying.

4. (Previously Presented) A surgical flat implant according to claim 1, wherein the reinforcing mesh consists of polypropylene, polyurethane, polyester or PTFE.

5. (Previously Presented) A surgical flat implant according to claim 1, wherein the bioresorbable film layer consists of a material selected from a polylactate.

6. (Previously Presented) A surgical flat implant according to claim 1, wherein the reinforcing mesh is joined to the film layer by glued spots.

7. (Previously Presented) A surgical flat implant according to claim 1, wherein the reinforcing mesh is joined to the film layer by spots by means of knotted filaments which are also provided with said continuous, biocompatible, metal-containing coating.

8. (Previously Presented) A surgical flat implant according to claim 1, wherein a hemostyptic layer for hemostatic-agent release is provided preferably on an outside of the flat implant.

9. (New) A surgical implant for preventing tissue-to-tissue adhesion in operated areas, the surgical implant comprising:

a film layer comprising a bioresorbable material; and

a reinforcing layer connected to said film layer, said reinforcing comprising a

5 reinforcing mesh composed of plastic material, said plastic material having an outer surface, wherein the entire outer surface of said plastic material comprises a metal-containing, biocompatible, continuous coating, said coating being in direct contact with an ambient environment.

10. (New) A surgical implant according to claim 9, wherein the coating is a titanium-containing coating comprising a thickness of 5 to 700 nm.

11. (New) A surgical flat implant according to claim 10, wherein the coating comprises a compound of a formula



with a = 0.025 to 0.9,

5 b = 0.025 to 0.7 and

c = 0.2 to 0.9.

12. (New) A surgical implant according to claim 9, wherein the reinforcing mesh consists of polypropylene, polyurethane, polyester or PTFE.

13. (New) A surgical implant according to claim 9, wherein the bioresorbable film layer consists of a material selected from a polylactate.

14. (New) A surgical flat implant according to claim 9, wherein the reinforcing mesh is joined to the film layer via a plurality of glued spots.

15. (New) A surgical flat implant according to claim 9, wherein the reinforcing mesh is joined to the film layer via a plurality of knotted filaments, said coating comprising said plurality of knotted filaments.

16. (New) A surgical flat implant according to claim 9, wherein a hemostyptic layer for hemostatic-agent release is provided on an outside of the implant.

17. (New) A surgical implant for preventing tissue-to-tissue adhesion in operated areas, the surgical implant comprising:

a film layer composed of a bioresorbable material; and

a wire reinforcing mesh connected to said film layer, said wire reinforcing mesh being
5 composed of plastic material, said wire reinforcing mesh having an outer surface and a metal-containing, biocompatible coating, said coating extending continuously along said outer surface of said wire reinforcing mesh such that said plastic material is completely covered via said coating, said coating being in direct contact with a tissue operated area for tissue mesh contact.

18. (New) A surgical implant according to claim 17, wherein the coating is a titanium-

containing coating comprising a thickness of 5 to 700 nm.

19. (New) A surgical flat implant according to claim 18, wherein the coating comprises a compound of a formula



with a = 0.025 to 0.9,

b = 0.025 to 0.7 and

c = 0.2 to 0.9.

20. (New) A surgical implant according to claim 17, wherein the reinforcing mesh consists of polypropylene, polyurethane, polyester or PTFE, said wire reinforcing mesh being connected to the film layer via a plurality of glued spots.